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PATENT
Attorney Docket No.: 2307E-065021US
Client Reference No.: 96-155-4

Assistant Commissioner for Patents
Washington, D.C. 20231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

William J. Welch et al.

Continuation of Application
No.: 09/291,406

Filed: April 13, 1999

For: CORRECTION OF GENETIC
DEFECTS USING CHEMICAL
CHAPERONES

Examiner: L. Leary

Art Unit: 1623

**LETTER TO THE OFFICIAL
DRAFTSPERSON**

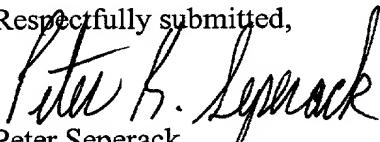
0930 U.S. PTO
JC930 09/823657
03/30/01


BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants submit 34 formal drawings to be made of record in the above-
identified case.

Respectfully submitted,

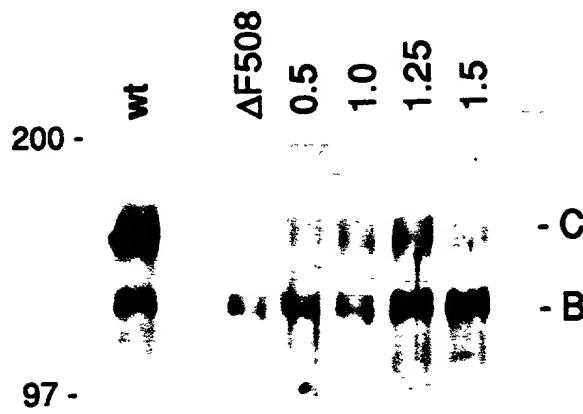

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CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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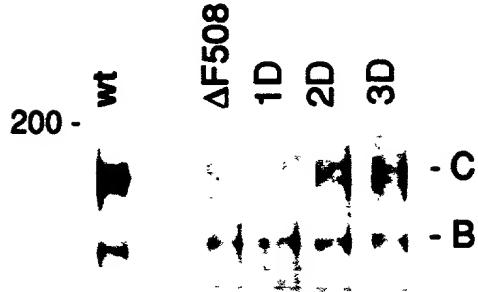


FIG. 1A. FIG. 1B. FIG. 1C.



97 -

FIG. 2A.



97 -

FIG. 2B.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
CHAPERONES
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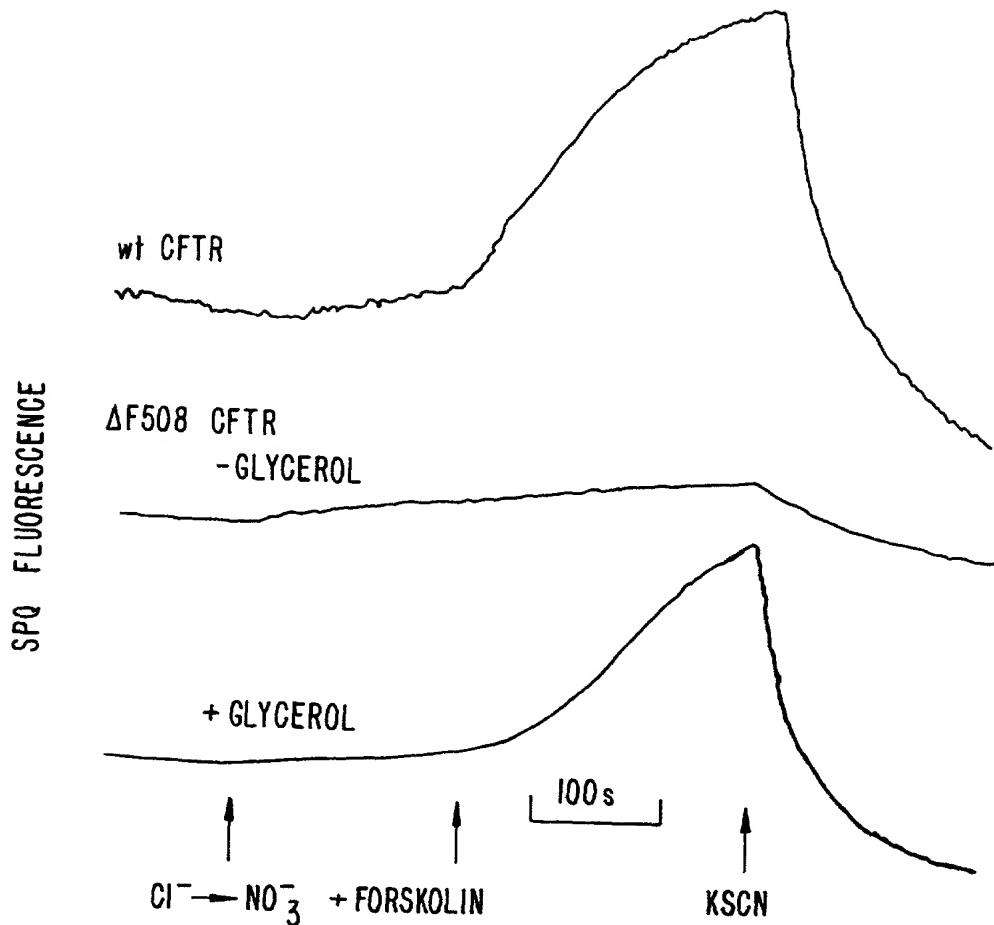


FIG. 3A.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL CHAPERONES

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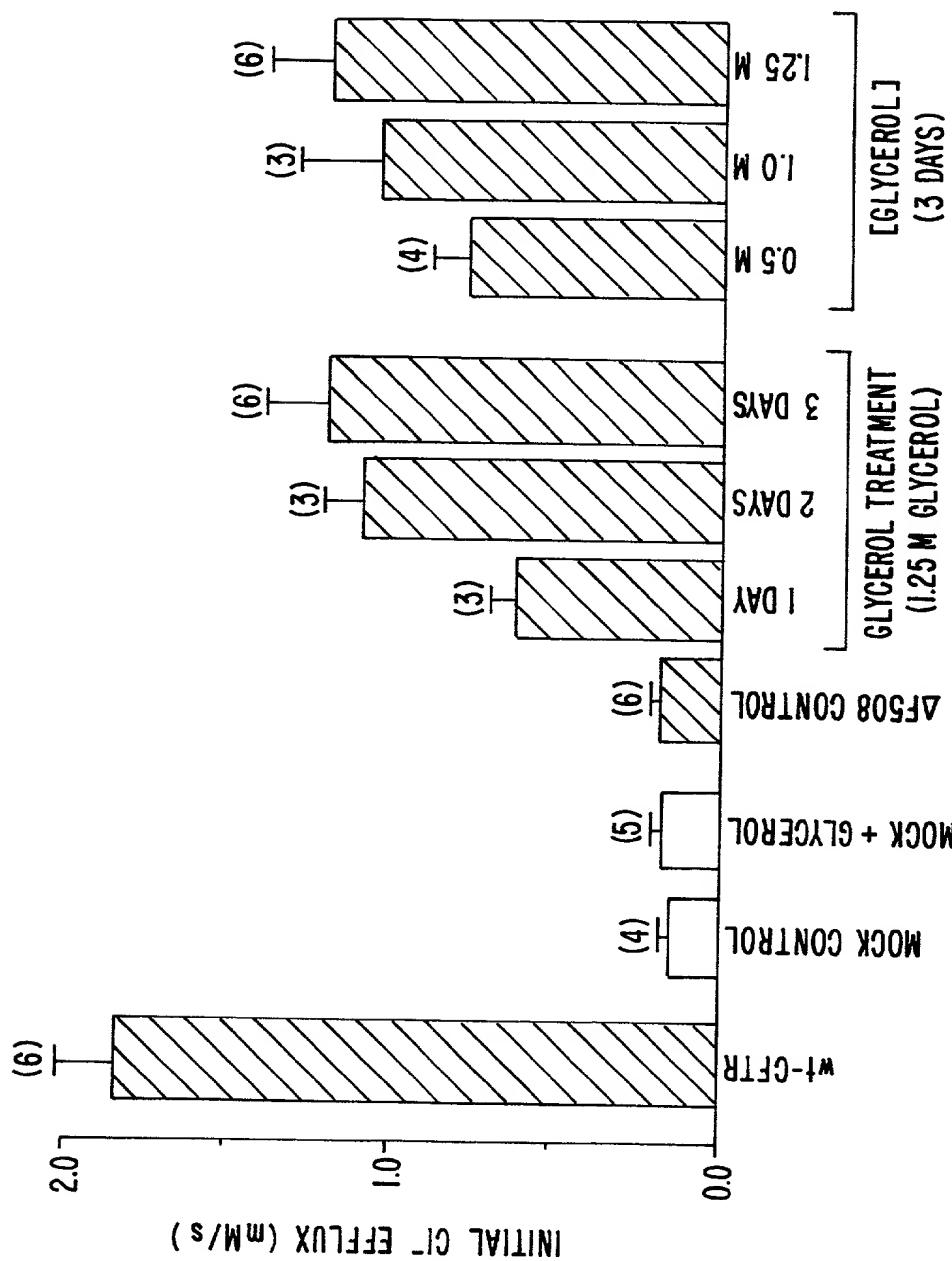


FIG. 3B.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
CHAPERONES
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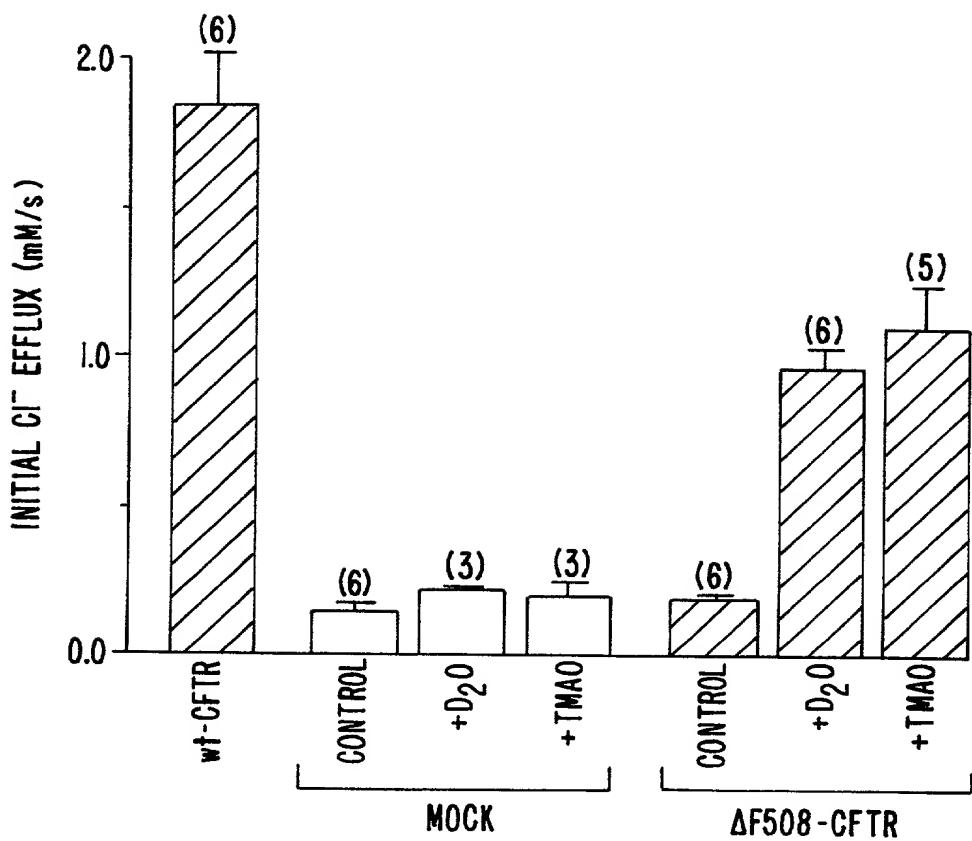


FIG. 4.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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FIG. 5A.

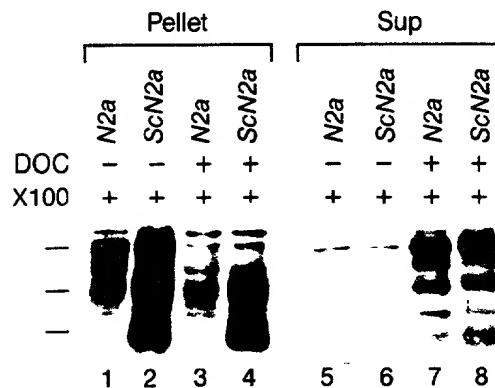


FIG. 5B.

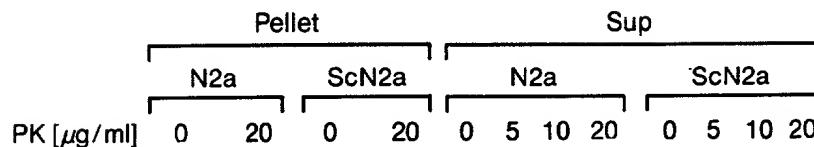
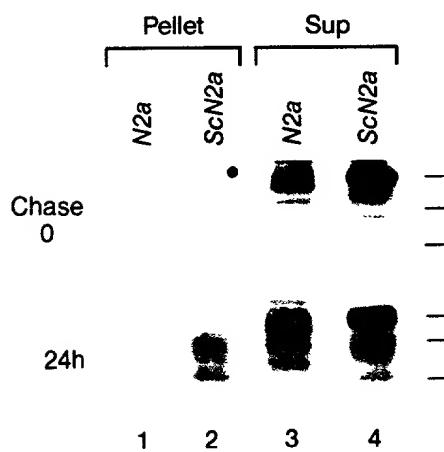


FIG. 5C.



CORRECTION OF GENETIC DEFECTS USING CHEMICAL

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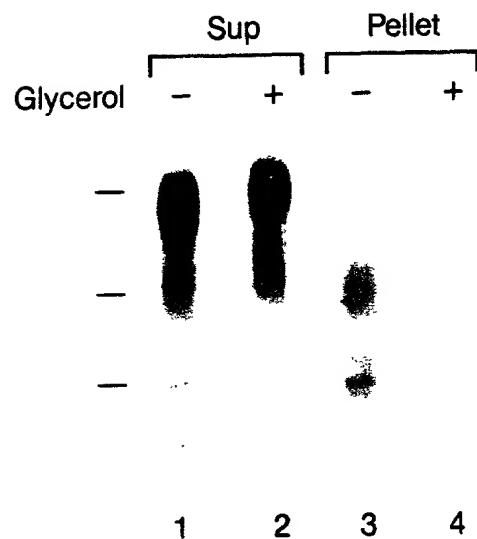


FIG. 6A.

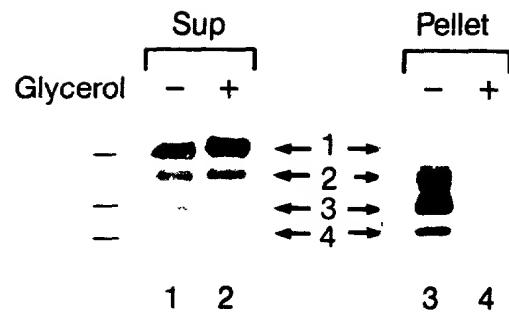


FIG. 6B.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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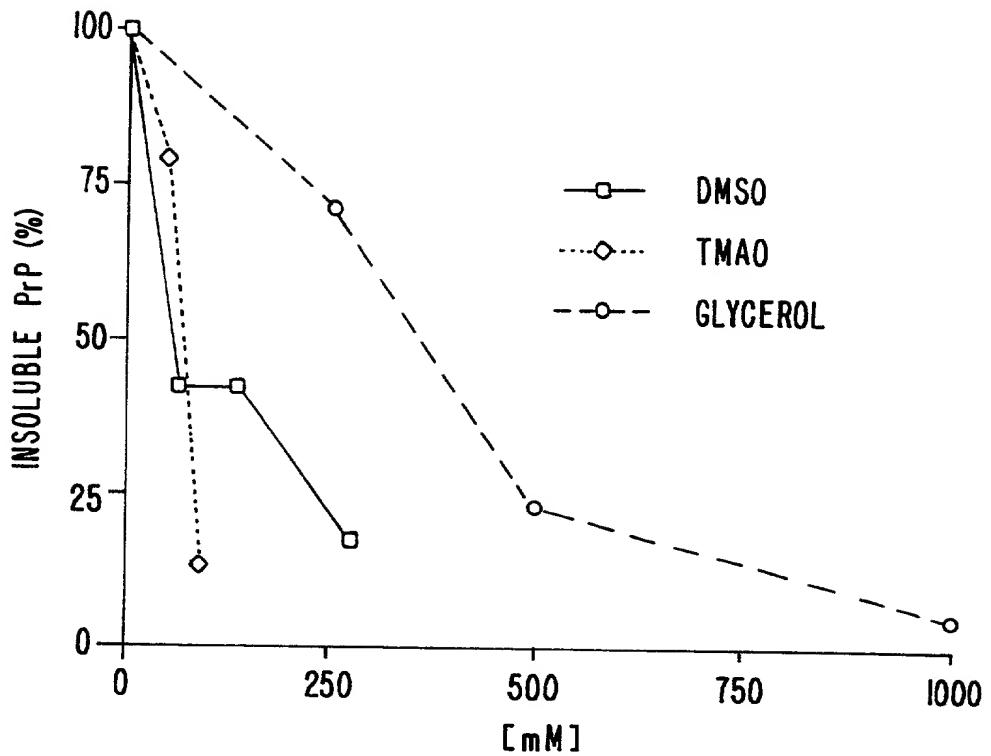


FIG. 7A.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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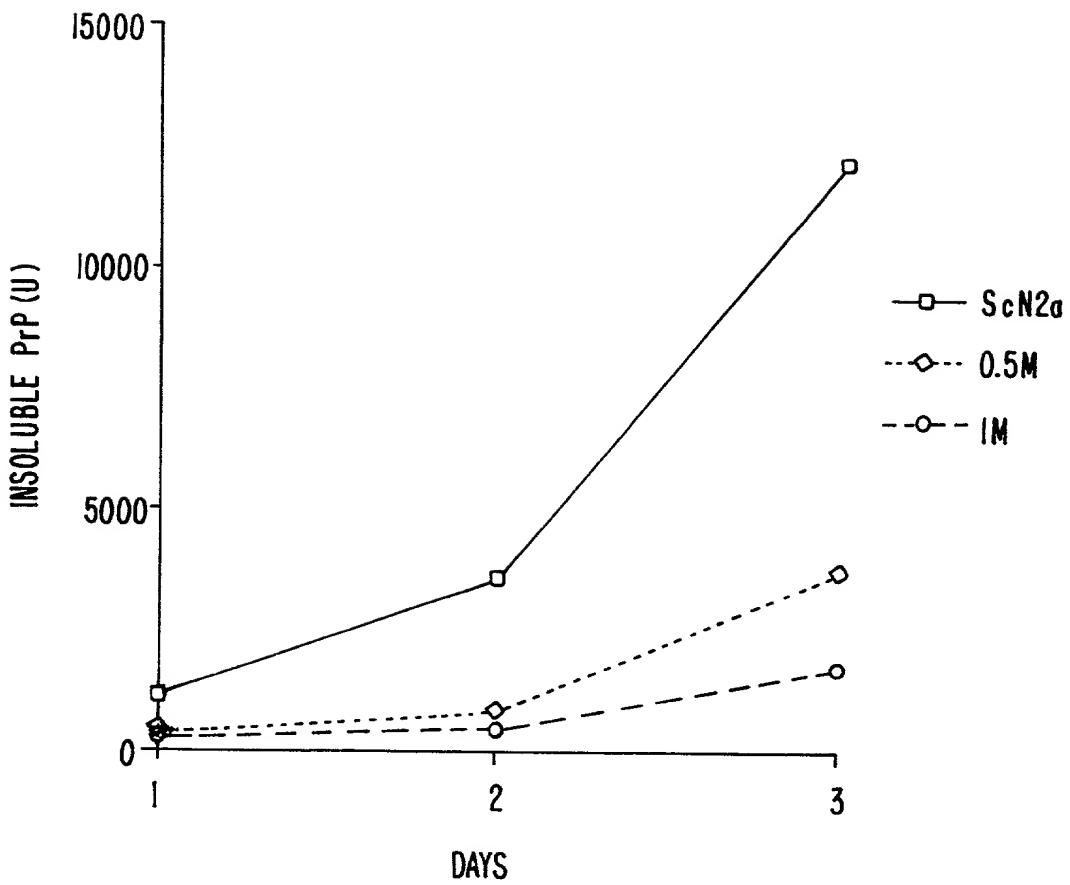


FIG. 7B.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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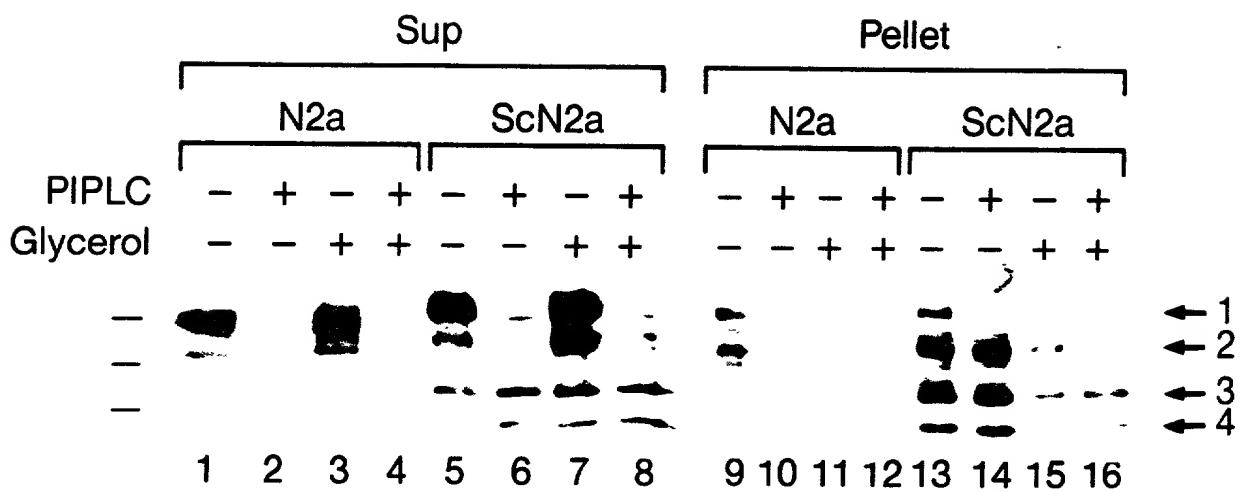


FIG. 8.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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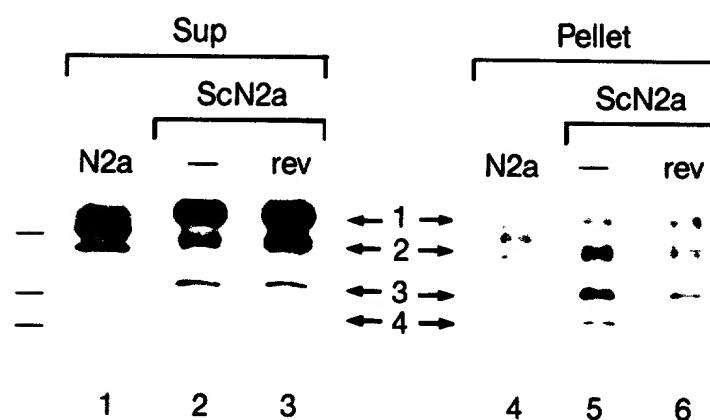


FIG. 9A.

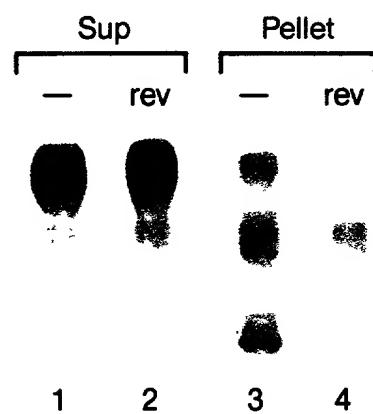


FIG. 9B.

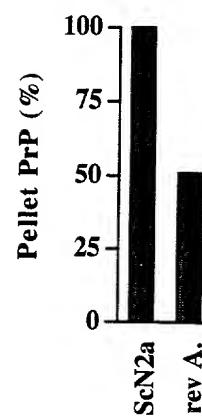


FIG. 9C.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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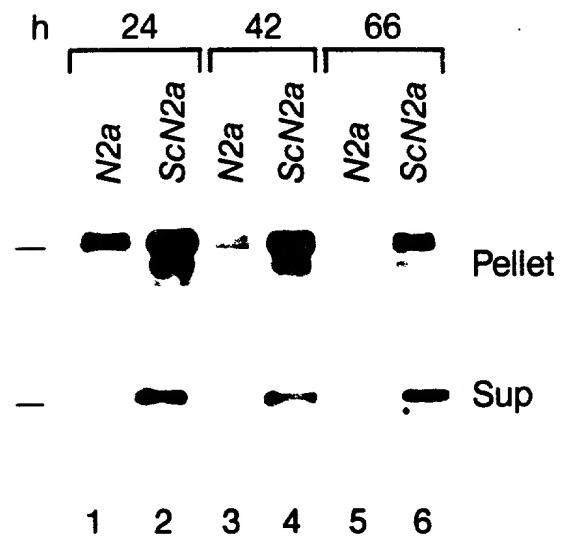


FIG. 10A.

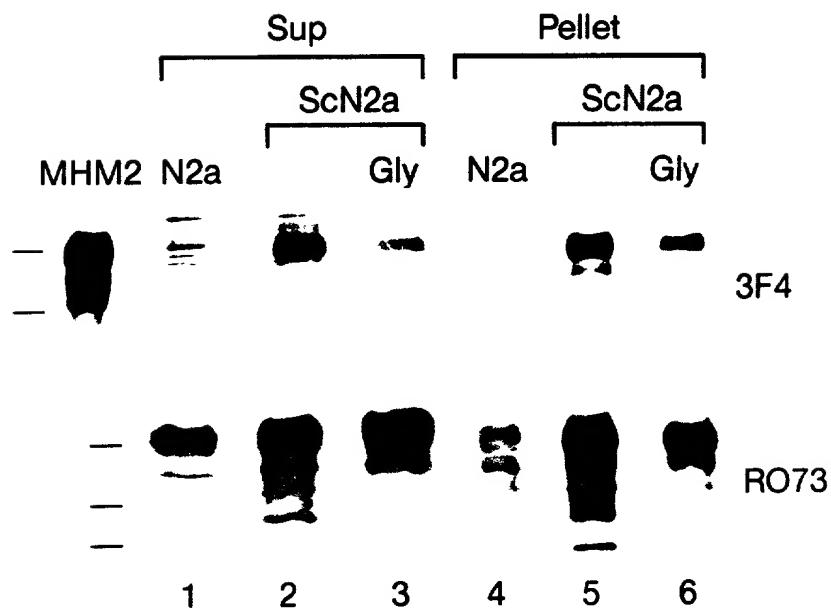


FIG. 10B.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL

CHAPERONES

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FIG. IIIA.



FIG. IIIB.



FIG. IIIC.

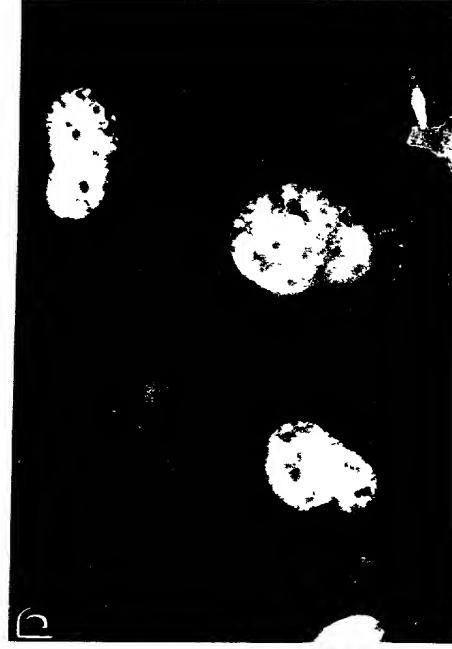


FIG. IID.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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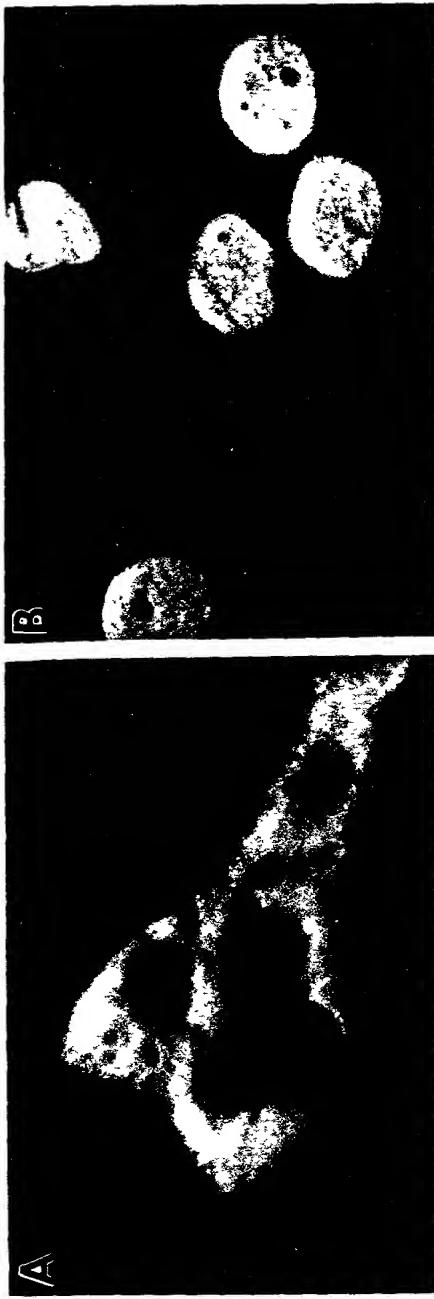


FIG. 12A.

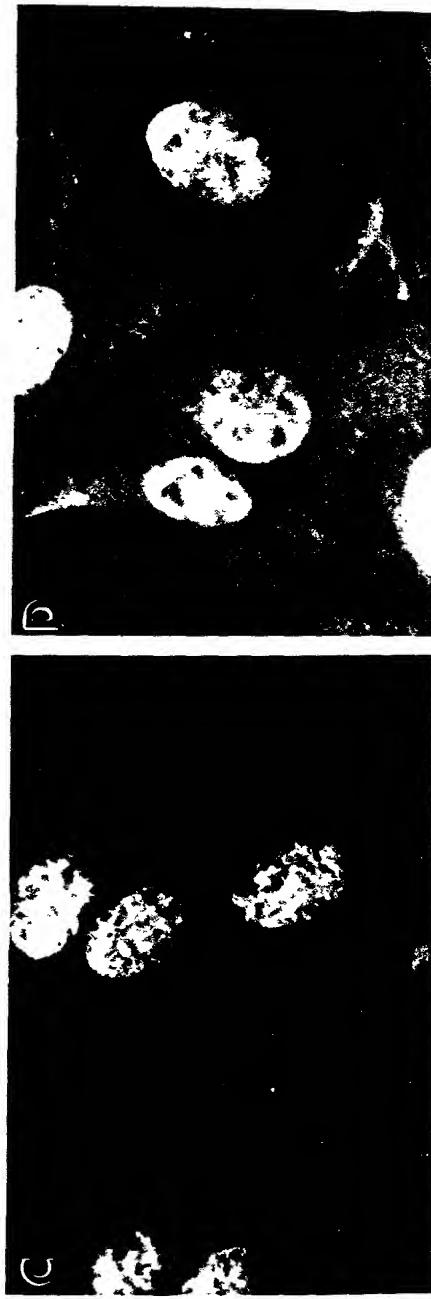


FIG. 12B.

FIG. 12C.



FIG. 12D.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL

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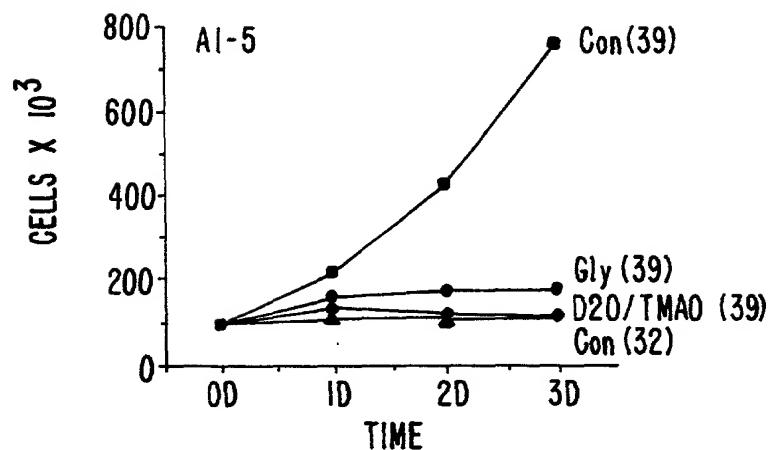


FIG. 13A.

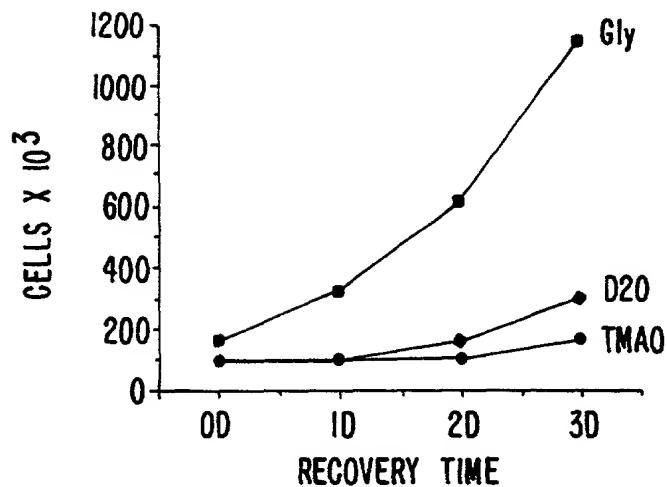


FIG. 13B.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
CHAPERONES

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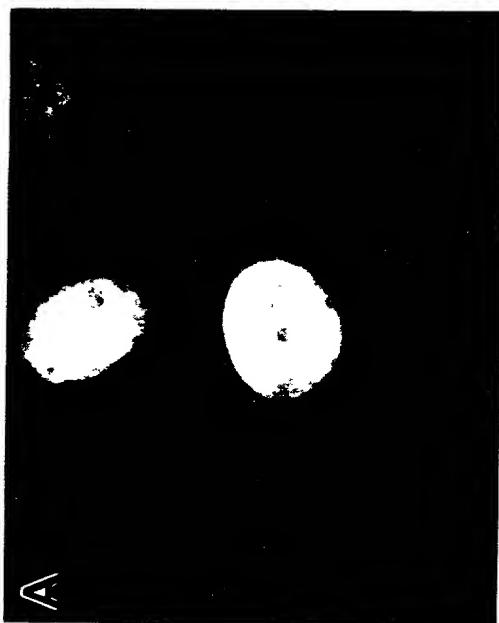


FIG. 14A.



FIG. 14B.



FIG. 14C.



FIG. 14D.



FIG. 14E.



FIG. 14F.



FIG. 14G.

FIG. 14H.

FIG. 14I.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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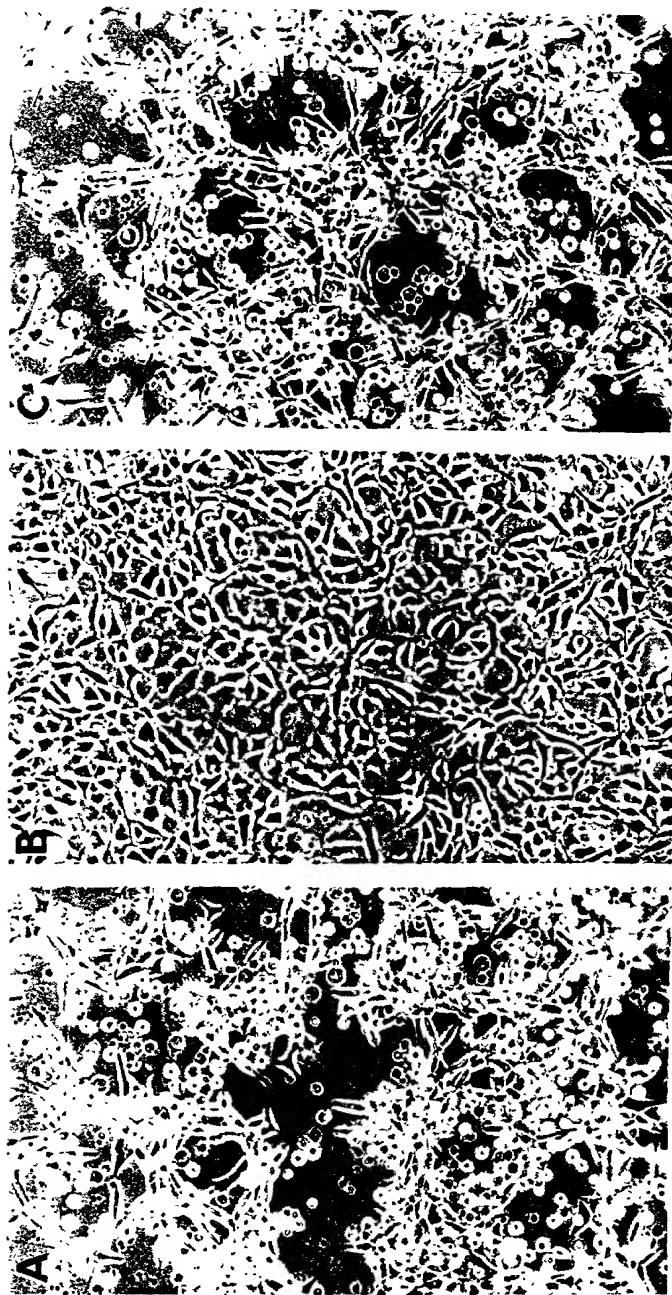


FIG. 15A FIG. 15B. FIG. 15C.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL CARBONONES

CHAPERONES

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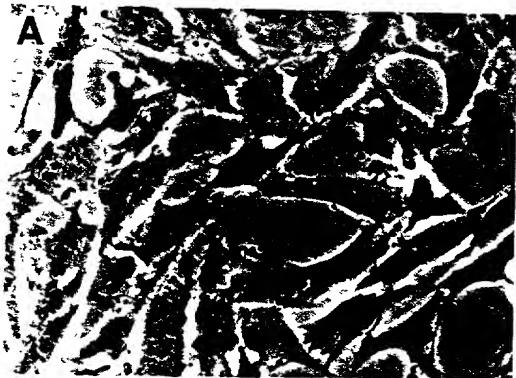


FIG. 16A.

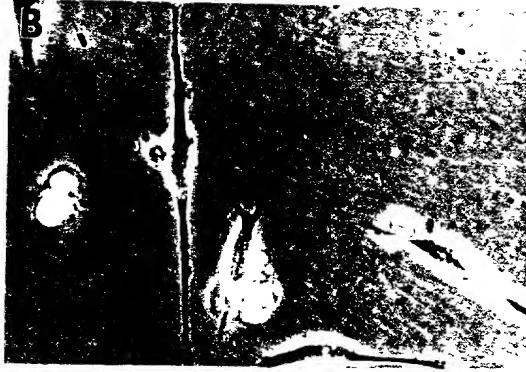


FIG. 16B.



FIG. 16C.



FIG. 16D.

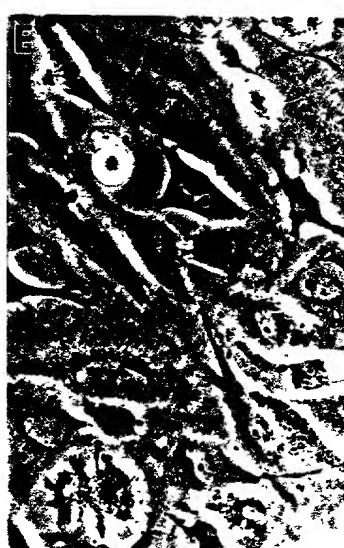


FIG. 16E.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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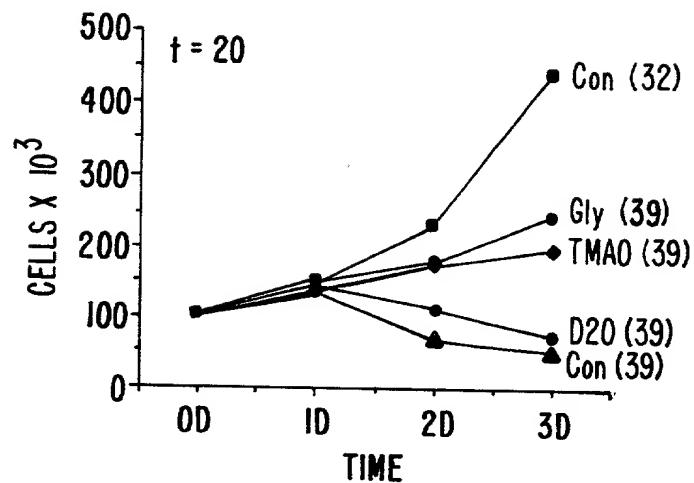


FIG. 17.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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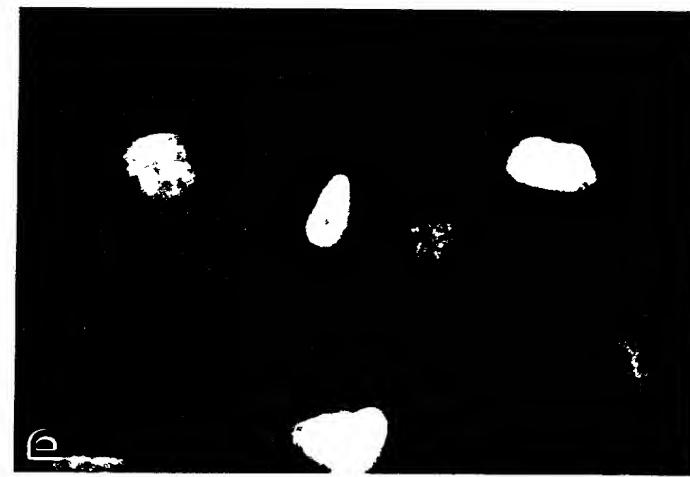


FIG. 18D.

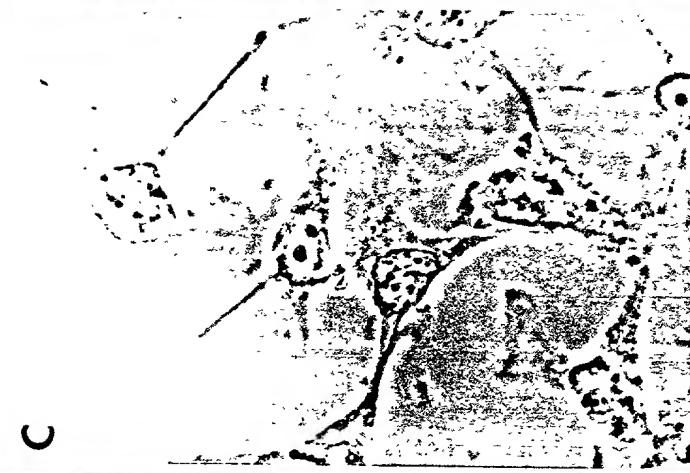


FIG. 18C.

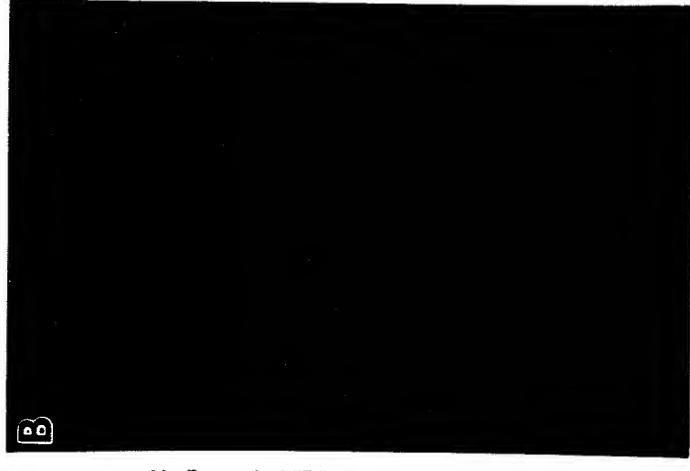


FIG. 18B.



FIG. 18A.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
CHAPERONES

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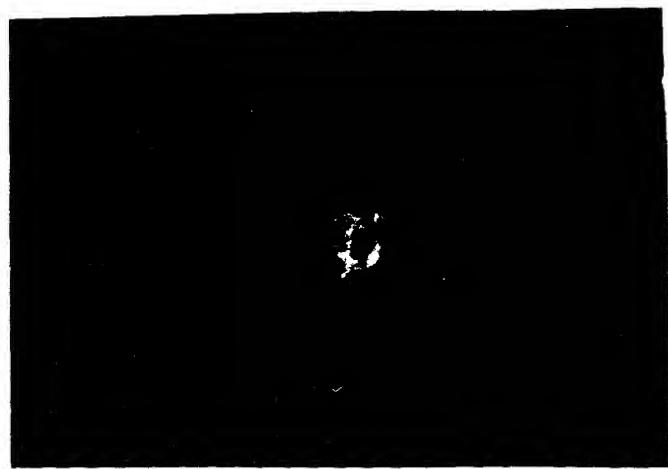
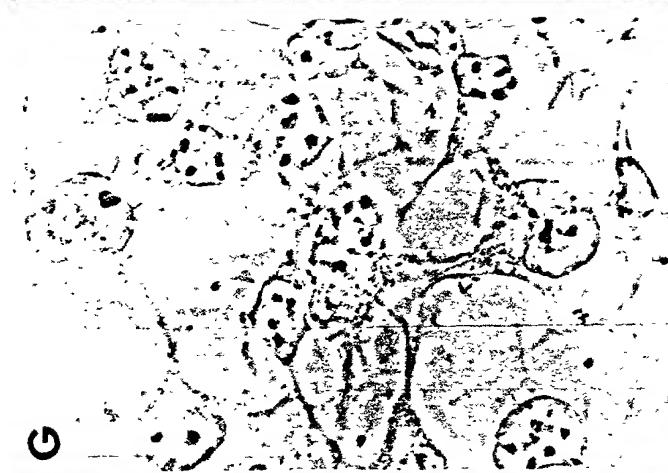


FIG. 18H.



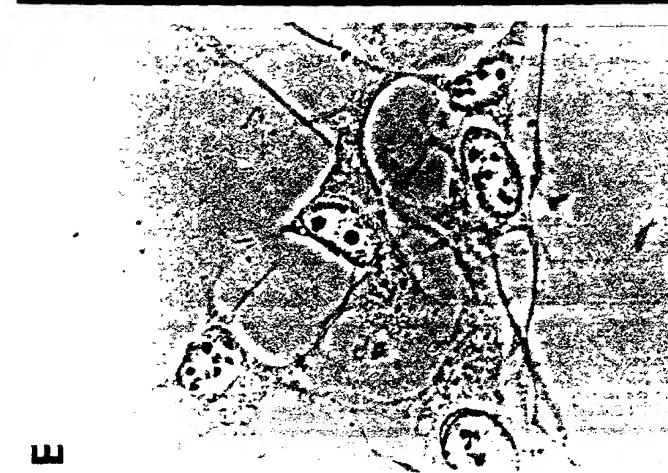
G

FIG. 18G.



F

FIG. 18F.



E

FIG. 18E.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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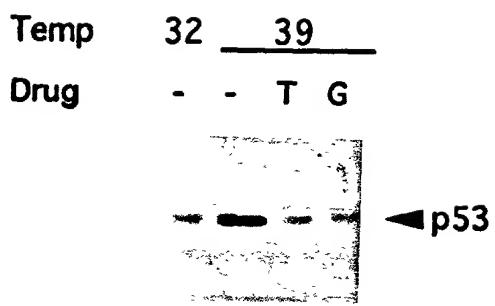


FIG. 19A.

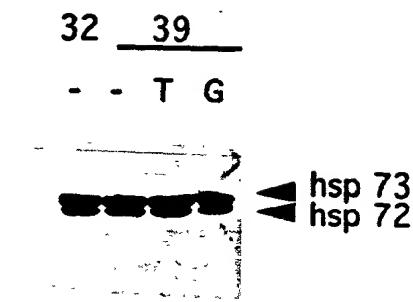


FIG. 19B.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
CHAPERONES
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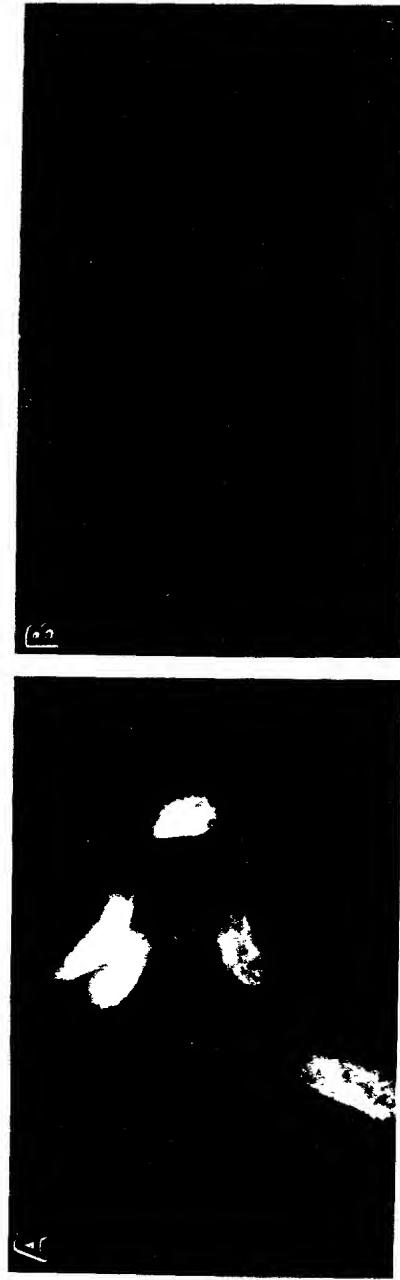


FIG. 20A.

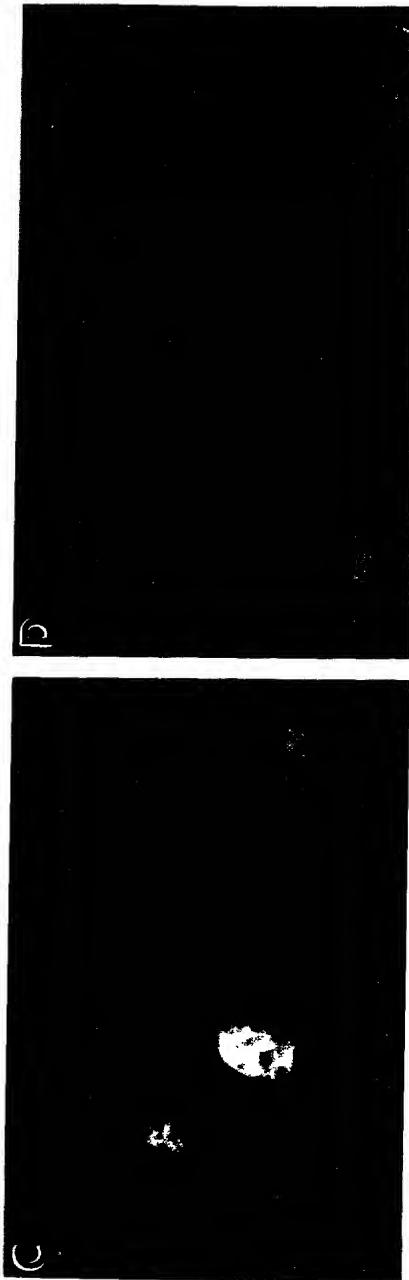


FIG. 20B.



FIG. 20C.

FIG. 20D.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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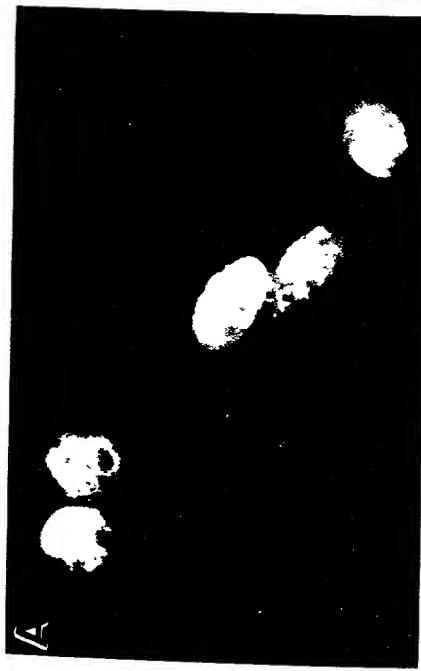


FIG. 2/A.

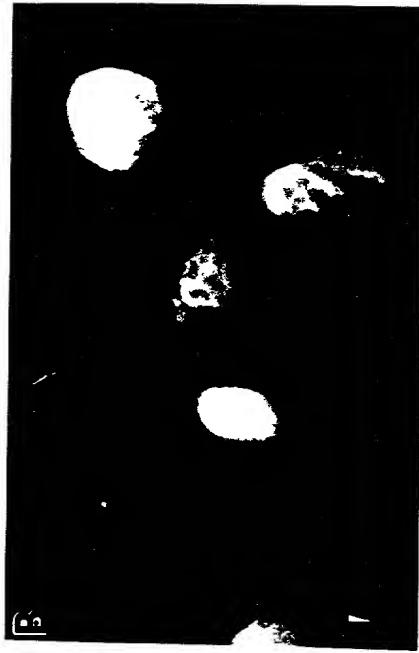


FIG. 2/B.



FIG. 2/C.

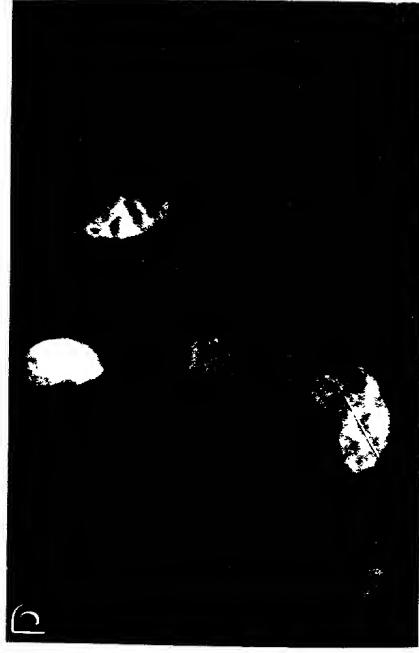


FIG. 2/D.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL

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B = betaine G = glucose T = taurine

S = sorbitol M = myo-inositol

FIGURE 22A

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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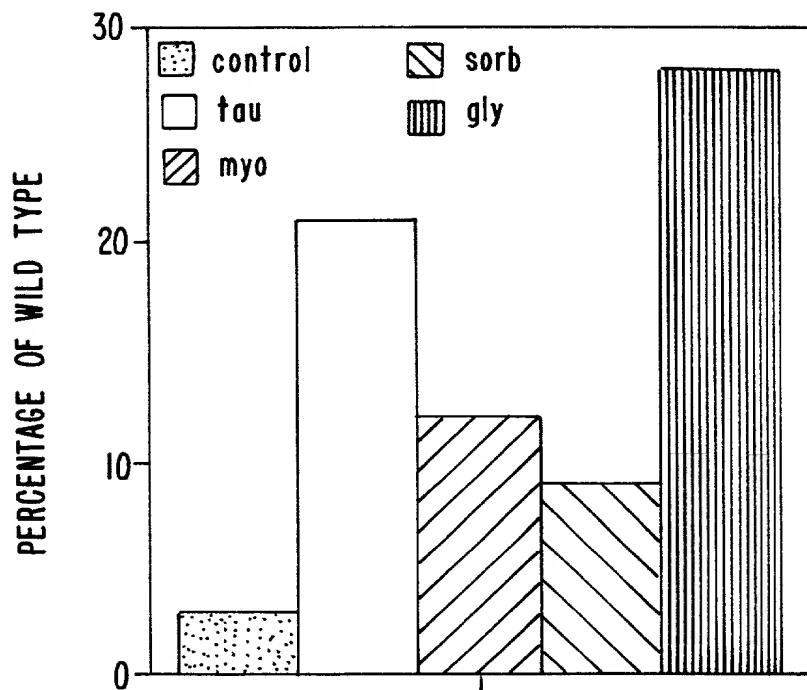


FIG. 22B.

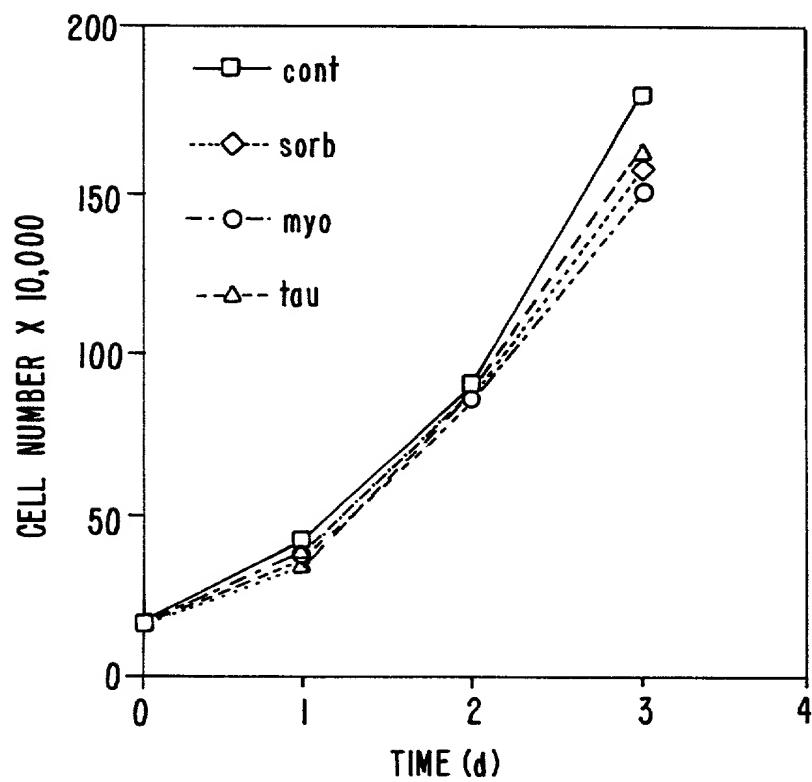


FIG. 22C.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL

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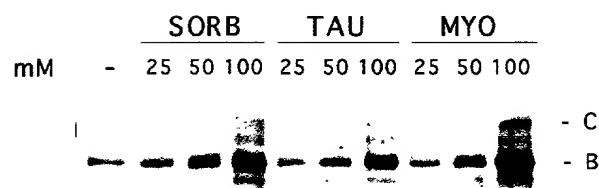


FIGURE 23A



FIGURE 23B

CORRECTION OF GENETIC DEFECTS USING CHEMICAL

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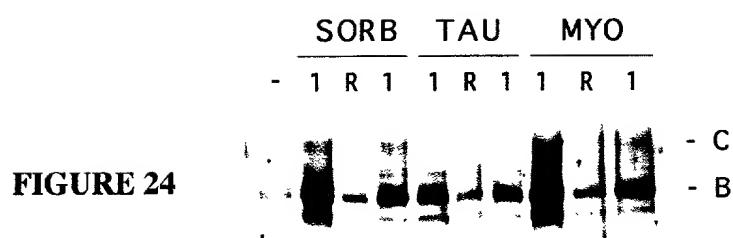


FIGURE 24

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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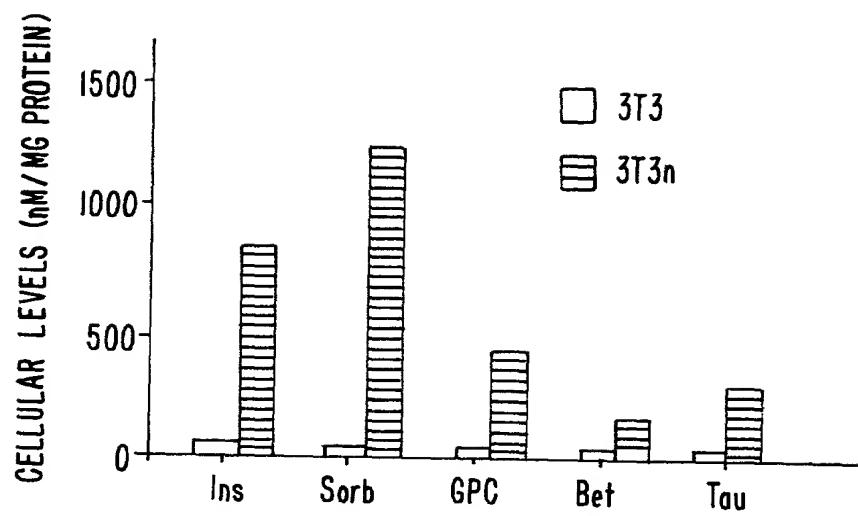
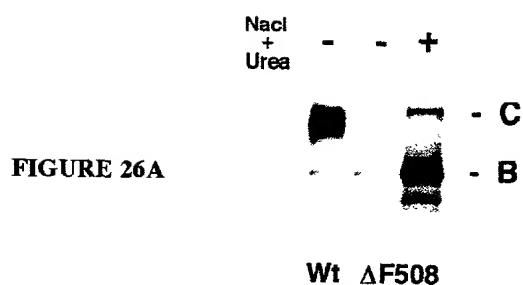


FIG. 25.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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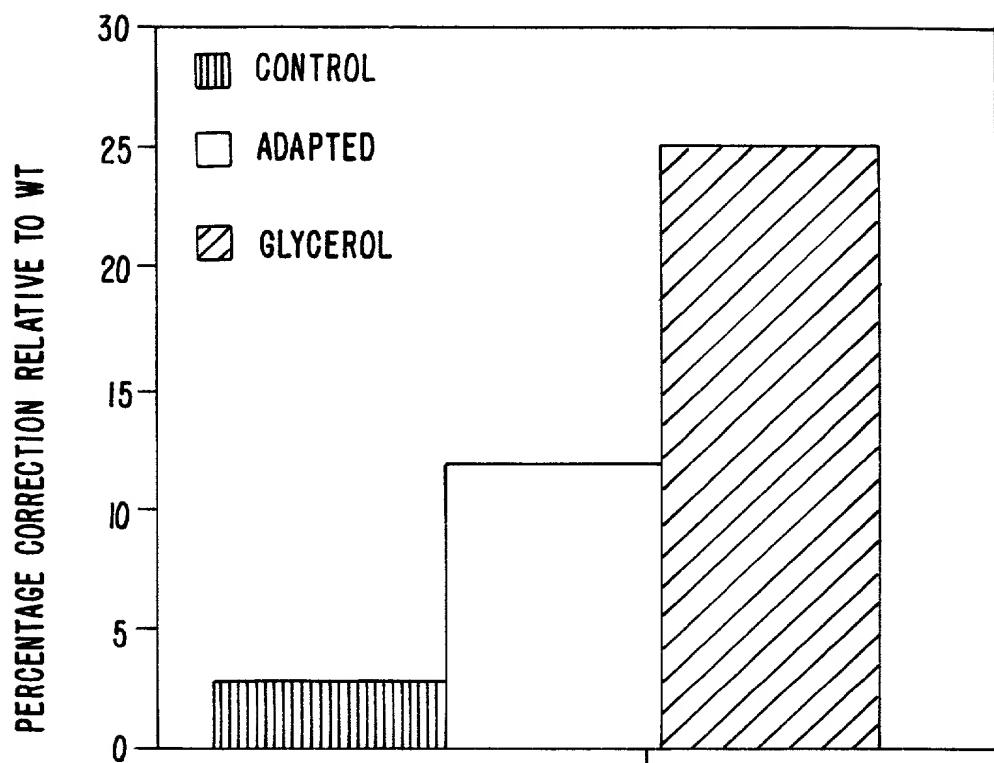


FIG. 26B.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL

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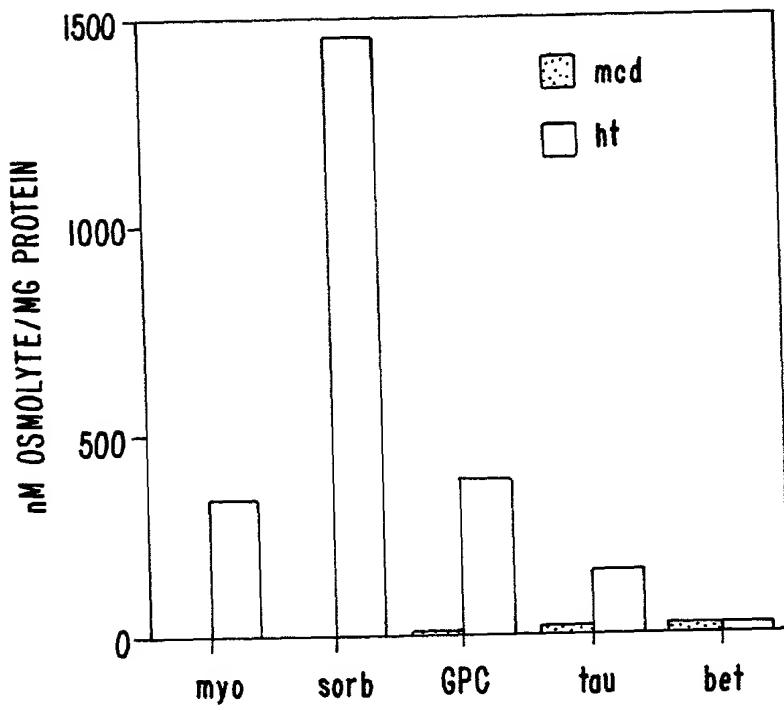


FIG. 27A.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL

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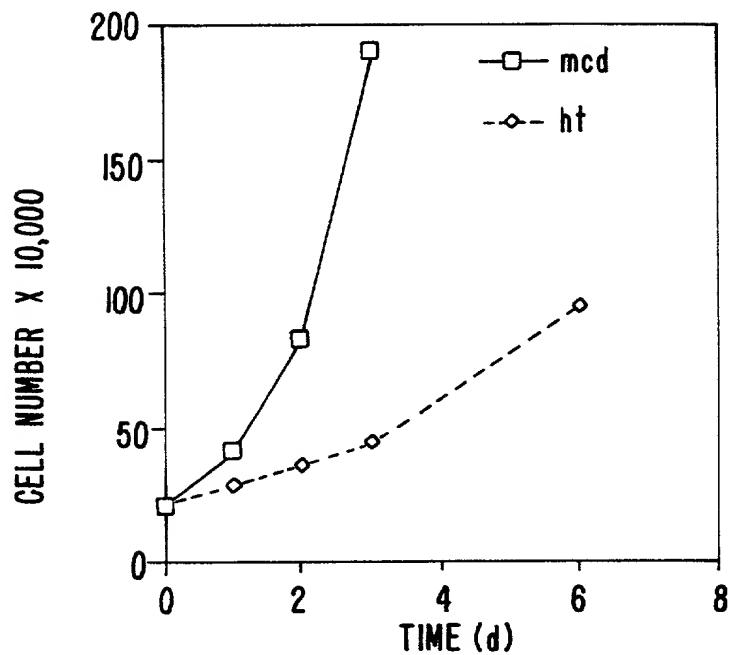


FIG. 27B.

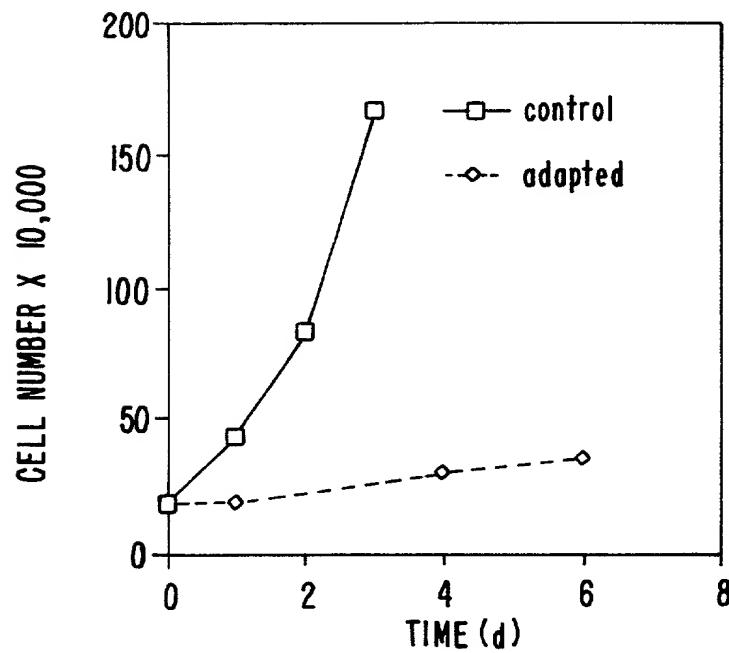


FIG. 27C.

CORRECTION OF GENETIC DEFECTS USING CHEMICAL
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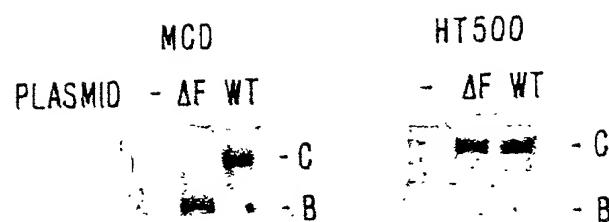


FIG. 28A.

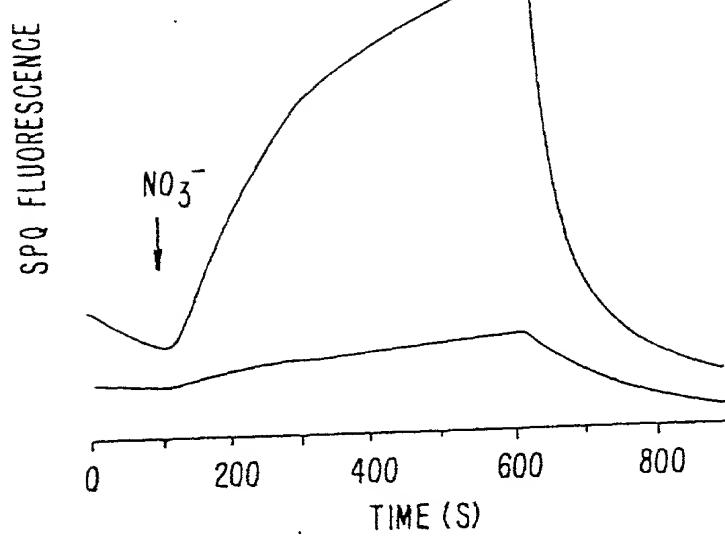


FIG. 28B.